

REMARKS

Claims 1-6, 9-12 and 15-18 have been rejected under 35 U.S.C. 102(e) as anticipated by Bahl (U.S. Patent 6,072,160).

Claims 7-8, 13-14 and 19-31 have been allowed.

Rejected claims 1-6 are all directed to a lamphead comprising a monolithic member and a plurality of lamp receptacles and reflector cavities formed in the monolithic member. Rejected claims 9-12 and 15-18 are directed to a processing system that uses such a lamphead.

The noun "monolith" means literally "single stone" and the adjective "monolithic" has meanings such as "cast as a single piece" or "composed of materials without joints or seems." See Webster's Ninth New Collegiate Dictionary; p. 768 (1991), a copy of which is enclosed.

The use of a monolithic member has the advantage of much simpler assembly of the lamphead, fewer parts and the like. It also has several other advantages noted in the specification at page 3, line 24 to page 4, line 3. These include improved cooling by eliminating gap thermal barriers and by permitting closer proximity of coolant passages to the reflector surfaces. They also include the elimination of the need for base and potting compounds which permits the use of lamps with simpler construction. It also becomes possible to increase the forward-directed reflector area.

It is immediately apparent that Bahl does not disclose or suggest a monolithic member in which a plurality of lamp receptacles and reflector cavities are formed. The Examiner identifies element 38 of Bahl as a monolithic member. However, element 38 is described by Bahl at Col. 4, line 51 as a radiant energy assembly 38 and not as a monolithic member. Fig. 1 of Bahl is not very useful in understanding the construction of assembly 38 but the cross-hatching of Fig. 2 and 4 of Bahl makes it abundantly clear that each lamp in the assembly is formed from a large number of parts that are assembled together. These parts include a light pipe 41, a sleeve 31, ceramic potting 58 and a specular reflector 159, all of which are discrete sub-elements of each lamp unit.

In contrast, as stated at page 9, lines 17-19 of the specification, applicant's invention is a monolithic lamphead-reflector 202 shown in Figs. 1 and 2 with a plurality of reflector cavities 204 formed therein.

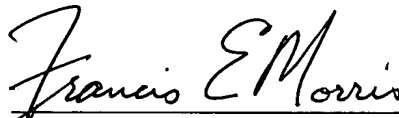
To sustain a rejection under 35 U.S.C. 102, the anticipating reference must disclose every element of the claimed device. It is clear that Bahl does not disclose the claimed monolithic member in which the lamp receptacles and reflecting cavities are formed. Under these circumstances, the rejection of claims 1-6, 9-12 and 15-18 should be withdrawn.

In view of the foregoing, it is submitted that all claims presently pending are in condition for allowance. Such action is respectfully requested.

If for any reason the Examiner believes any of the claims are not in condition for allowance, he is encouraged to phone the undersigned at (650) 849-7777 so that any remaining issues may be resolved.

Aside from the fee for the one month extension of time, no additional fee is believed due for filing this response. However, if a fee is due, please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150 (order no. 10732-0044-999). A copy of this sheet is enclosed for this purpose.

Respectfully submitted,



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